

Syllabus for the post of Technician Gr.-III
Notification Sl. No. 8
Qualification – Diploma in Computer Science

Computer Fundamentals & Office Automation

- Introduction to Computers
- Operating Systems
- Word Processing
- Spreadsheets
- Presentation Software
- Database Management

Programming Languages

- Introduction to Programming Concepts
- C Programming
- Object-Oriented Programming with Java or C++
- Data Structures and Algorithms
- Python Programming

Web Technologies

- HTML, CSS, and JavaScript
- Web Design Principles
- Client-Side and Server-Side Scripting
- Web Development Frameworks

Database Management Systems

- Fundamentals of Databases
- SQL and Relational Database Design
- NoSQL Databases (overview)
- Database Administration

Operating Systems

- Principles of Operating Systems
- Linux and Shell Scripting
- Windows Administration

Networking and Security

- Networking Fundamentals
- Network Protocols and Models
- Cybersecurity Fundamentals
- Cryptography
- Network Security

Mathematics for Computer Science

- Discrete Mathematics
- Statistics and Probability

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Software Engineering

- Software Development Life Cycle (SDLC)
- Agile Methodologies
- Project Management

Advanced Technologies

- Mobile Application Development
- Cloud Computing
- Artificial Intelligence and Machine Learning
- Internet of Things (IoT)
- Blockchain Fundamentals
- Game Development

